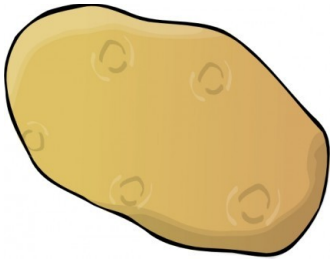

PotatoORM User Manual

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Document Control

Version	Date	Author	Change Summary
1.0	March 2016	Samuel Gachanja	First Release

Approval

Role	Name	Date	Signature
Developer	Samuel Gachanja	March 2016	
Quality Assurance			
Security			
Service Management			

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1 Introduction

Potato ORM is a table agnostic class for interating with the database.

2 Installation

2.1 Technologies

This application has been developed and tested on the following technologies.
Operating System: Fedora release 21
PHP Version: PHP 5.6.15
PHPUnit Version: phpunit-5.2.12
Database Version: 10.0.21-MariaDB MariaDB Server

2.2 Downloading

Download the application using the following command.
git clone https://github.com/gksamuel/potato

2.3 Database Creation

Log in to you mysql server.
Create a MySQL database using the following command.
create database DBNAME HERE;

Create a username and password for your database using the following command.
grant all privileges on DBNAME HERE.* to 'USERNAME HERE'@'HOSTNAME HERE' identified by 'PASSWORD HERE'';

run the queries in the file andela.sql located in the database folder.
Open the file configs/database.php and edit the database credentials accordingly.

Download phpunit from https://phpunit.de/

Run the test cases using the following commands.
php PATH-TO-PHPUnit/phpunit-5.2.12.phar tests/CarTest.php
php PATH-TO-PHPUnit/phpunit-5.2.12.phar tests/BicycleTest.php
php PATH-TO-PHPUnit//phpunit-5.2.12.phar tests/UserTest.php

3 Database Tables

The following three database tables come already created with potatoORM.

However please note you should be able to create additional tables as required.

3.1 Bicycle Table

Used to store Bicycle objects

Bicycle Table					
Field	**Type**	**Null**	**Key**	**Default**	**Extra**
cycleID	int(11)	NO	PRI	NULL	auto_increment
model	varchar(100)	NO	UNI	NULL	
numberOfGears	int(11)	NO		NULL	

3.2 Car Table

Used to store Car objects

Car Table					
Field	**Type**	**Null**	**Key**	**Default**	**Extra**
carID	int(11)	NO	PRI	NULL	auto_increment
name	varchar(100)	NO	UNI	NULL	
price	double(10,2)	NO		NULL	

3.3 User Table

Used to store User objects

User Table					
Field	**Type**	**Null**	**Key**	**Default**	**Extra**
userID	int(11)	NO	PRI	NULL	auto_increment
firstName	varchar(20)	NO		NULL	
lastName	varchar(20)	NO		NULL	
dateOfBirth	date	NO		NULL	

4 Additional Models

To Create additional Models first one needs to create the database table.
The database table must have a primary key.
Once the database table is ready create a class with the same name as the database table.
The class should extends potatoORM class.
In this class declare public properties with the same name as the database fields.